

**FRESNO, CALIFORNIA
CLASS SPECIFICATION**

SENIOR WASTEWATER SERVICES MECHANIC

FLSA STATUS:

Non-Exempt

CLASS SUMMARY:

The Senior Wastewater Services Mechanic is the third level in a three level Utilities Wastewater Treatment Mechanic series. Incumbents are responsible for serving as a lead worker and performing journey level equipment repairs, servicing, and maintenance of wastewater treatment plant and facilities. Incumbents are also responsible for conducting equipment and facility surveys and identifying and recommending efficiency and productivity improvements.

The Senior Wastewater Services Mechanic is distinguished from the Wastewater Services Mechanic by its responsibility for serving as a lead worker to other employees. The Senior Wastewater Services Mechanic is distinguished from the Chief of Wastewater services, which has first-line supervisory responsibilities.

TYPICAL CLASS ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary.)

**FRE-
QUENCY**

- | | | |
|----|---|----------------|
| 1. | Makes work assignments, oversees the work of other staff, trains, prepares reports, and performs administrative tasks in the absence of the supervisor. | Daily
40% |
| 2. | Evaluates and monitors conditions of facilities, motors, pumps, gearboxes, automated valves, hydraulic systems, pneumatic systems and other related industrial equipment. | Monthly
10% |
| 3. | Prepares and maintains records related to mechanical activities utilizing Computer Maintenance Management Systems (CMMS) and other applications. | Daily
20% |
| 4. | Leads and participates in maintaining, servicing, and repairing a variety of equipment, machinery, and control systems associated with treatment plant and facilities to ensure efficient plant operations. | Daily
15% |
| 5. | Estimates material, supply, equipment, and labor requirements for applicable projects. | Weekly
10% |
| 6. | Monitors and maintains supply and equipment inventory and requisitions replacement items utilizing Computer Maintenance Management Systems (CMMS) and other applications. | Weekly
10% |
| 7. | Participates in a variety of meetings, committees, and/or other related groups in order to receive and convey information. | Weekly
10% |

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TYPICAL CLASS ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary.)		<u>FRE- QUENCY</u>
8.	Participates in developing and implementing procedures associated with the installation and removal of equipment and machinery.	Weekly 5%
9.	Performs other duties of a similar nature or level.	As Required

Training and Experience (positions in this class typically require):

- Two years of experience as a City of Fresno Wastewater Services Mechanic is required;
OR
- An equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above. Prior fabrication, welding, and machinist work experience is desirable.

Licensing Requirements (positions in this class typically require):

- Basic Class C License
- Wastewater Treatment Plant Operator Grade III Certificate

Knowledge (position requirements at entry):

Considerable knowledge of:

- Applicable tools, equipment, vehicles and hardware and software related to area of responsibility;
- Advanced pneumatic and hydraulic principles;
- Mechanical, electrical and hydraulic principles as they relate to the operation of wastewater collection and treatment systems;
- Plumbing and pipe fitting techniques, practices and procedures;
- Characteristics and safety requirements of the use of various chemicals;
- Basic lubrication practices;
- Safe work practices and procedures;
- Wastewater Computer Maintenance Management System (CMMS);
- Inventory management principles and practices;
- Basic lubrication practices;
- Advanced drives and components principles;
- Advanced pneumatic and hydraulic principles.

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Skills (position requirements at entry):

Skill in:

- Prioritize and assigning work; detail oriented and ability to multi-task*
- Training employees in proper work methods
- Using and caring for applicable tools and equipment utilized in the wastewater plant repair and maintenance activities including cranes (mobile/fixed) and electric power tools, laser alignment, lapping machine, mill lathe, bearing heater, infrared scanner
- Assist in the developing and implementation of safety procedures
- Operating and maintaining applicable pumps, motors, equipment gearboxes, automated valves, hydraulic systems, pneumatic systems and other related industrial equipment.
- Reading and interpreting blueprints, schematics, and other technical drawings related to job duties
- Diagnosing mechanical, hydraulic, pneumatic, electrical, and electronic malfunctions in instrumentation, programmable logic controllers, and telemetry systems
- Installing plumbing systems and fixtures
- Safe handling of chemicals
- Designing and fabricating machinery, equipment and associated components utilizing mill, lathe, brake, sheer, pipegroover; and welding methods such as ARC, MIG, TIG, Oxy-acetylene, gas and plasma cutting.
- Computers, CMMS, Supervisory Control and Data Acquisitions (SCADA) and other applications
- Communication, interpersonal skills as applied to interaction with coworkers, supervisor, the general public, business, organizations, elected and appointed officials, media, etc. sufficient to exchange or convey information, give/receive work direction

Physical Requirements:

Positions in this class typically require: feeling, finger dexterity, grasping, hearing, repetitive motions, seeing, talking, bending, kneeling, lifting, reaching, standing, stooping, walking, balancing, climbing, crawling, crouching, pulling and pushing.

Very Heavy Work: Exerting up to 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

Incumbents may be subjected to moving mechanical parts, electrical hazards, vibrations, fumes, odors, dusts, poor ventilation, adverse weather conditions, work space restrictions, inadequate lighting and intense noises.

Note:

The above job specification is intended to represent only the key areas of responsibilities; specific position assignments will vary depending on the business needs of the department.

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Classification History:

Draft prepared by Fox Lawson & Associates (LM)

Date: 12/2007

Reviewed by the City of Fresno

Date: 5/2008